Inference at $*$ 1 0 3 1 2
of proof for Lemma eq_int_cases_test:

. . . . .subterm. T:t2:n

1. A : Type
2. x : A
3. y : A
4. P : $A \rightarrow \mathbb{P}$
5. i : $\mathbb{Z}$
6. j : $\mathbb{Z}$
7. P(if $(i =_0 j)$ then x else y fi)
8. $\mathbb{B} \in$ Type
9. $(i =_0 j) \in \mathbb{B}$
10. $\mathbb{B}$

$\vdash (i =_0 j) \in \mathbb{B}$
by (NthHyp (-2))

.